2. TOPS OF ALL SLOPES TO BE DIKED OR TRENCHED TO PREVENT WATER FROM FLOWING OVER THE CREST OF SLOPES.

3. MANUFACTURED SLOPES AND PADS SHALL BE ROUNDED VERTICALLY AND HORIZONTALLY AS APPROPRIATE TO BLEND WITH THE SURROUNDING TOPOGRAPHY.

4. AS SOON AS CUTS OR EMBANKMENTS ARE COMPLETED, BUT NOT LATER THAN OCTOBER 1 ALL CUT AND FILL SLOPES SHALL BE STABILIZED WITH A HYDROMULCH MIXTURE OR AN EQUAL TREATMENT APPROVED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS BETWEEN OCTOBER 1 AND APRIL 15. APPROVED SLOPE PROTECTION MEASURES SHALL PROCEED IMMEDIATELY BEHIND THE EXPOSURE OF CUT SLOPES AND/OR THE CREATION OF EMBANKMENT SLOPES.

5. CATCH BASINS, DESILTING BASINS AND STORM DRAIN SYSTEM SHALL BE INSTALLED TO THE SATISFACTION OF THE COUNTY DEPARTMENT OF PUBLIC WORKS.

6. GRAVEL BAG CHECK DAMS TO BE PLACED IN A MANNER APPROVED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS IN UNPAVED STREETS WITH GRADIENTS IN EXCESS OF 2% AND ON OR IN OTHER GRADED OR EXCAVATED AREAS AS REQUIRED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS.

7. THE DEVELOPER TO MAINTAIN THE PLANTING AND EROSION CONTROL MEASURES DESCRIBED ABOVE UNTIL RELIEVED OF THE SAME BY THE COUNTY DEPARTMENT OF PUBLIC WORKS. THE DEVELOPER TO REMOVE ALL SOIL INTERCEPTED BY THE SAND BAGS, CATCH BASINS AND DESILTING BASINS AND KEEP THESE FACILITIES CLEAN AND FREE OF SILT AND SAND AS DIRECTED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS. THE DEVELOPER SHALL REPAIR ANY ERODED SLOPES AS DIRECTED BY THE COUNTY DEPARTMENT OF PUBLIC WORKS.

## SILTATION AND SEDIMENT CONTROL MEASURES NOTES:

1. THE SEDIMENT BASINS SHALL BE PROVIDED AT THE LOWER END OF EVERY DRAINAGE AREA PRODUCING SEDIMENT RUNOFF. THE BASINS SHALL BE MAINTAINED AND CLEANED TO DESIGN CONTOURS AFTER EVERY RUNOFF PRODUCING STORM, THE BASINS SHOULD BE SEMI-PERMANENT STRUCTURES THAT WOULD REMAIN UNTIL SOIL STABILIZING VEGETATION HAS BECOME WELL ESTABLISHED ON ALL ERODIBLE SLOPES.

2. SEDIMENTATION BASINS MAY NOT BE REMOVED OR MADE INOPERATIVE WITHOUT PRIOR APPROVAL OF THE COUNTY ENGINEER.

3. SEWER OR STORM DRAIN TRENCHES THAT ARE CUT THROUGH BASIN DIKES OR BASIN INLET DIKES SHALL BE PLUGGED WITH SANDBAGS FROM TOP OF PIPE TO TOP OF DIKE.

4. ALL UTILITY TRENCHES SHALL BE BLOCKED AT THE PRESCRIBED INTERVALS WITH A DOUBLE ROW OF GRAVEL BAGS WITH A TOP ELEVATION TWO GRAVEL BAGS BELOW THE GRADED SURFACE OF THE STREET. GRAVEL BAGS ARE TO BE PLACED WITH LAPPED COURSES. THE INTERVALS PRESCRIBED BETWEEN GRAVEL BAG BLOCKING SHALL DEPEND ON THE SLOPE OF THE GROUND SURFACE BUT NOT TO EXCEED THE FOLLOWING:

GRADE OF THE STREET INTERVAL AS REQUIRED LESS THAN 2% 100 FEET 2% TO 4% 50 FEET 4% TO 10% 25 FEET OVER 10%

5. AFTER UTILITY TRENCHES ARE BACKFILLED AND COMPACTED, THE SURFACES OVER SUCH TRENCHES SHALL BE MOUNDED SLIGHTLY TO PREVENT CHANNELING OF WATER IN THE TRENCH AREA. CARE SHOULD BE EXERCISED TO PROVIDE FOR CROSS FLOW AT FREQUENT INTERVALS WHERE TRENCHES ARE NOT ON THE CENTERLINE OF A CROWNED STREET.

6. ALL BUILDING PADS SHOULD BE SLOPED TOWARDS THE DRIVEWAYS AND VELOCITY CHECK DAMS PROVIDED AT THE BASE OF ALL DRIVEWAYS DRAINING INTO THE STREET.

PROVIDE VELOCITY CHECK DAMS IN ALL UNPAVED GRADED CHANNELS AT THE INTERVALS INDICATED BELOW: GRADE OF CHANNEL INTERVALS BETWEEN CHECK DAMS

LESS THAN 3% 50 FEET 3% TO 6% OVER 6% 25 FEET

8. PROVIDE VELOCITY CHECK DAMS IN ALL PAVED STREET AREAS ACCORDING TO RECOMMENDED CRITERIA INDICATED ON THE ENCLOSED GRAPH ENTITLED "SANDBAG BARRIER SPACING FOR EROSION CONTROL IN GRADED STREETS". VELOCITY CHECK DAMS MAY BE CONSTRUCTED OF GRAVEL BAGS, TIMBAR, OR OTHER EROSION RESISTANT MATERIALS APPROVED BY THE COUNTY ENGINEER. AND SHALL EXTEND COMPLETELY ACROSS THE STREET OR CHANNEL AT RIGHT ANGLES TO THE CENTERLINE. VELOCITY CHECK DAMS MAY ALSO SERVE AS SEDIMENT TRAPS.

GRADE OF STREET NO. OF BAGS HIGH INTERVAL LESS THAN 2% 200' MAX 2% TO 4% 4% TO 6%

9. PROVIDE A GRAVEL BAG SILT BASIN OR TRAP BY EVERY STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING DRAIN SYSTEM.

10. GRAVEL BAGS AND FILL MATERIAL SHALL BE STOCKPILED AT INTERVALS, READY FOR USE WHEN REQUIRED. 11. ALL EROSION CONTROL DEVICES WITHIN THE DEVELOPMENT SHOULD BE MAINTAINED DURING AND

AFTER EVERY RUNOFF PRODUCING STORM, IF POSSIBLE, MAINTENANCE CREWS WOULD BE REQUIRED TO HAVE ACCESS TO ALL AREAS. 12. PROVIDE ROCK RIPRAP ON CURVES AND STEEP DROPS IN ALL EROSION PRONE DRAINAGE CHANNELS

DOWNSTREAM FROM THE DEVELOPMENT. THIS PROTECTION WOULD REDUCE EROSION CAUSED BY THE INCREASED FLOWS THAT MAY BE ANTICIPATED FROM DENUDED SLOPES, OR FROM IMPERVIOUS

13. ANY PROPOSED ALTERNATE CONTROL MEASURES MUST BE APPROVED IN ADVANCE BY ALL RESPONSIBLE AGENCIES: I.E., COUNTY ENGINEER, PLANNED DEV. SERVICES (PDS), PDS ENVIRONMENTAL.

OWNER'S / PERMITTEE'S

ADDRESS: 10755 SCRIPPS POWAY PARKWAY, #439

SAN DIEGO, CA. 92131

STATE OF CALIFORNIA

SITE ADDRESS: VIA DE LAS FLORES

TELEPHONE NO: (619) 300-9114

A.P.N. NO: 264-110-30

1409

RANCHO SANTA FE 6, LLC, MR. ROLAND VIRISSIMO, MGR.

SHORT LEGAL DESCIPTION: A PORTION OF THE WEST HALF OF THE SOUTHEAS

SAN BERNARDINO MERIDIAN, COUNTY OF SAN DIEGO,

RANCHO SANTA FE, CA 92091

QUARTER OF SECTION 10, TOWNSHIP 13 SOUTH, RANGE 3 WEST,

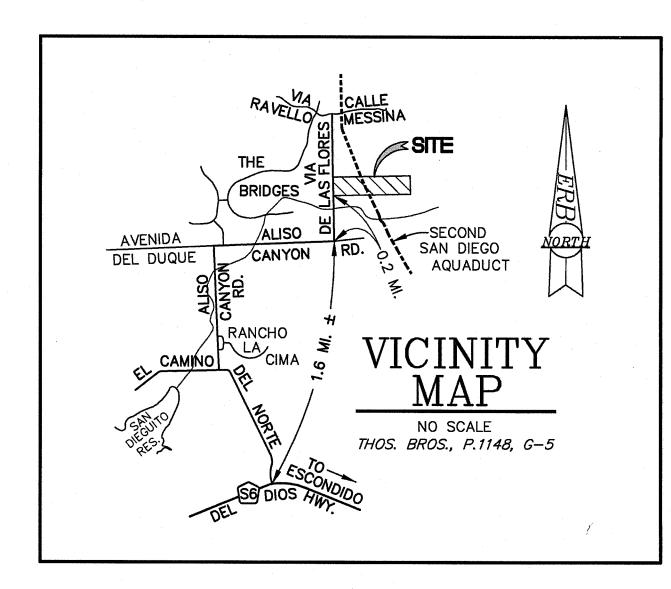
## STORMWATER MANAGEMENT NOTES

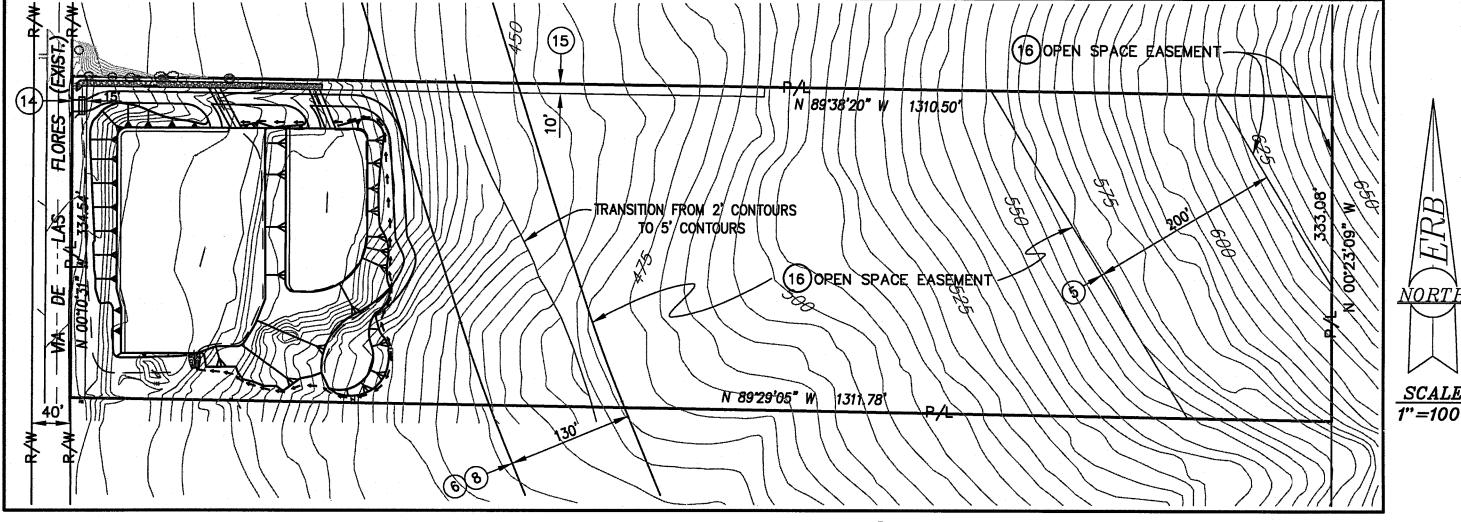
DURING THE RAINY SEASON THE AMOUNT OF EXPOSED SOIL ALLOWED AT ONE TIME SHALL NOT EXCEED THAT WHICH CAN BE ADEQUATELY PROTECTED BY THE PROPERTY OWNER IN THE EVENT OF A RAINSTORM. 125% OF ALL SUPPLIES NEEDED FOR BMP MEASURES SHALL BE RETAINED ON THE JOB SITE IN A MANNER THAT ALLOWS FULL DEPLOYMENT AND COMPLETE INSTALLATION IN 48 HOURS OR LESS OF A FORECAST RAIN.

2. NO AREA BEING DISTURBED SHALL EXCEED 50 ACRES AT ANY GIVEN TIME WITHOUT DEMONSTRATING TO THE SAN DIEGO COUNTY DPW DIRECTOR'S SATISFACTION THAT ADEQUATE EROSION AND SEDIMENT CONTROL CAN BE MAINTAINED. ANY DISTURBED AREA THAT IS NOT ACTIVELY GRADED FOR 15 DAYS MUST BE FULLY PROTECTED FROM EROSION. UNTIL ADEQUATE LONG-TERM PROTECTIONS ARE INSTALLED, THE DISTURBED AREA SHALL BE INCLUDED WHEN CALCULATING THE ACTIVE DISTURBANCE AREA. ALL EROSION CONTROL MEASURES SHALL REMAIN INSTALLED AND MAINTAINED DURING ANY INACTIVE PERIOD.

3. THE PROPERTY OWNER IS OBLIGATED TO INSURE COMPLIANCE WITH ALL APPLICABLE STORMWATER REGULATIONS AT ALL TIMES. THE BMP'S (BEST MANAGEMENT PRACTICES) THAT HAVE BEEN INCORPORATED INTO THIS PLAN SHALL BE IMPLEMENTED AND MAINTAINED TO EFFECTIVELY PREVENT THE POTENTIALLY NEGATIVE IMPACTS OF THIS PROJECT'S CONSTRUCTION ACTIVITIES ON STORMWATER QUALITY. THE MAINTENANCE OF THE BMP'S IS THE PERMITTEE'S RESPONSIBILITY, AND FAILURE TO PROPERLY INSTALL OR MAINTAIN THE BMP'S MAY RESULT IN ENFORCEMENT ACTION BY THE COUNTY OF SAN DIEGO OR OTHERS. IF INSTALLED BMP'S FAIL, THEY MUST BE REPAIRED OR REPLACED WITH AN ACCEPTABLE ALTERNATE WITHIN 24 HOURS, OR AS SOON AS SAFE TO DO SO.

A NOTICE OF INTENT (NOI) HAS BEEN, OR WILL BE FILED WITH THE STATE WATER RESOURCES CONTROL BOARD (SWRCB) AND THAT A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) HAS BEEN OR WILL BE PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF CALIFORNIA GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY (PERMIT NO. 629243) FOR ALL OPERATIONS ASSOCIATED WITH THESE PLANS. THE NOI NUMBER ASSIGNED BY SWRCB FOR THIS PROJECT IS 9 37W001973. THE PERMITTEE SHALL KEEP A COPY OF THE SWPPP ON SITE AND AVAILABLE FOR REVIEW BY COUNTY.





KEY MAP

→ 2% ---- DIRECTION OF FLOW € ---- EARTHEN BROW DITCH --- DAYLIGHT LINE (CUT/FILL) --- EXIST. TREE & BOLE SIZE V2:1V ---- PROPOSED CUT SLOPE --- PROPOSED FILL SLOPE --- PROPOSED ROCK LINED SWALE

---- D-40 ENERGY DISSIPATOR

NOTE: THIS IS A REMEDIAL GRADING PLAN ONLY AND A SEPERATE PERMIT WILL BE REQUIRED FOR FUTURE BUILDINGS OR ACCESS.

PDS ENVIRONMENTAL

ENVIRONMENTAL REVIEW.

APPROVED BY:

APPROVED FOR COMPLIANCE WITH THE

**LEGEND** 

CMP ---- CORRUGATED METAL PIPE

- INVERT ELEVATION

DG ---- DISINTEGRATED GRANITE

FG --- FINISHED GRADE

P/L --- PROPERTY LINE R/W ———— RIGHT—OF—WAY

SD --- STORM DRAIN

WM ---- WATER METER

WV ---- WATER VALVE

SMH --- SEWER MANHOLE

OWNERS CERTIFICATE

HEREBY AGREE TO COMMENCE WORK ON ANY IMPROVEMENTS SHOWN ON THESE PLANS WITHIN EXISTING

PURSUE SUCH WORK ACTIVELY ON EVERY NORMAL WORKING DAY UNTIL COMPLETED, IRRESPECTIVE AND

IT IS FURTHER AGREED THAT THE OWNER SHALL HAVE A REGISTERED CIVIL ENGINEER MAKE SUCH

CHANGES, ALTERATIONS OR ADDITIONS TO THESE PLANS WHICH THE DIRECTOR OF PUBLIC WORKS DETERMINES ARE NECESSARY AND DESIRABLE FOR THE PROPER COMPLETION OF THE IMPROVEMENTS.

COUNTY RIGHT-OF-WAY WITHIN 60 DAYS AFTER ISSUANCE OF THE CONSTRUCTION PERMIT AND TO

INDEPENDENT OF ANY OTHER WORK ASSOCIATED WITH THIS PROJECT OR UNDER MY CONTROL.

T IS AGREED THAT FIELD CONDITIONS MAY REQUIRE CHANGES TO THESE PLANS.

MR. ROLAND VIRISSIMO, MGR.

RECORD PLAN

R.C.E.

TB --- TOP BERM GRADE

AC --- ASPHALTIC CONCRETE

BFP --- BACKFLOW PREVENTER

CONC --- CONCRETE

ELEC --- ELECTRIC

FL ---- FLOWLINE

# WORK TO BE DONE

(#)- FOR EASEMENT DATA SEE SHEET 3

THE IMPROVEMENTS CONSIST OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS AND THE SPECIFICATIONS AND STANDARD DRAWINGS OF THE COUNTY OF SAN DIEGO.

#### STANDARD SPECIFICATIONS:

1. STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION (GREENBOOK) 2. STATE OF CALIFORNIA. DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS, DOCUMENT NO. AECO925062, FILED SEPTEMBER 25, 2006.

#### <u>STANDARD DRAWINGS:</u>

1. COUNTY OF SAN DIEGO STANDARD DRAWINGS, INCLUDING LATEST EDITION ALL REGIONAL STANDARD DRAWINGS,

2. STATE OF CALIFORNIA. DEPARTMENT OF TRANSPORTATION. STANDARD PLANS. DOCUMENT NO. AECO925061, FILED SEPTEMBER 25, 2006.

TOPOGRAPHIC SURVEY BY PAUL LOSKA LAND SURVEYING, INC., LS 7810 DATE OF SURVEY: MAY 1, 2014 BEARING AND DISTANCES SHOWN HEREON ARE RECORD PER R.O.S. 12265

R.C.E. 67144

# Description / Type | Sheet | Maintenance Catagory | Revisions MINOR SWMP

STORMWATER TREATMENT AND LID BMP'S

BMP's approved as part of Stormwater Management Plan (Minor SWMP) dated: 8/12/2014 on file with the DWP. Any changes to the above BMP'

		will	require SWMP rev	vision d	and Plan Change approvals.		
	DECLARATION OF RESPONSIB	LE (	CHARGE	CC	OUNTY APPROVED	CHAN	GES
	I HEREBY DECLARE THAT I AM THE ENGINEER OF WOI THAT I HAVE EXCERCISED RESPONSIBLE CHARGE OVER	R THE	DESIGN OF THE	NO.	DESCRIPTION:	APPROVED BY:	DATE:
•	PROJECT AS DEFINED IN SECTION 6703 OF THE BUSICODE, AND THAT THE DESIGN IS CONSISTENT WITH CI				ADMINISTRAÇÃO		
	I UNDERSTAND THAT THE CHECK OF PROJECT DRAWIN BY THE COUNTY OF SAN DIEGO IS CONFINED TO REV	IEW ON	LY AND DOES			:	· .
	NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RE PROJECT DESIGN	SPONSI	BILITES FOR		The state of the s		
		ATE: _	7/13/15				
	MATTHEW J. MILLER RCE NO: 67144 EXP	RES:	9/30/16				

GENERAL NOTES

1. APPROVAL OF THIS GRADING PLAN DOES NOT CONSTITUTE APPROVAL OF VERTICAL OR HORIZONTAL ALIGNMENT OF ANY PRIVATE ROAD SHOWN HEREON FOR COUNTY ROAD PURPOSES.

2. FINAL APPROVAL OF THESE GRADING PLANS SUBJECT TO FINAL APPROVAL OF THE ASSOCIATED IMPROVEMENT PLANS WHERE APPLICABLE. FINAL CURB ELEVATIONS MAY REQUIRE CHANGES IN THESE

3. IMPORT MATERIAL SHALL BE OBTAINED FROM A LEGAL SITE.

4. A CONSTRUCTION, EXCAVATION OR ENCROACHMENT PERMIT FROM THE DEPARTMENT OF PUBLIC WORKS WILL BE REQUIRED FOR ANY WORK IN THE COUNTY RIGHT-OF-WAY.

5. ALL SLOPES OVER THREE FEET IN HEIGHT WILL BE PLANTED IN ACCORDANCE WITH SAN DIEGO COUNTY SPECIFICATIONS.

6. THE CONTRACTOR SHALL VERIFY THE EXISTENCE AND LOCATION OF ALL UTILITIES BEFORE COMMENCING WORK. NOTICE OF PROPOSED WORK SHALL BE GIVEN TO THE FOLLOWING AGENCIES:

S.D.G.& E.: ---- (800) 411-7343 A.T.&T.: ---- (800) 214-8433 CATV: ---- N/A VALLECITOS WATER/SEWER DISTRICT: -- (760) 744-0460 UNDERGROUND SERVICE ALERT (USA): --- 811

7. A SOILS REPORT MAY BE REQUIRED PRIOR TO THE ISSUANCE OF A BUILDING PERMIT.

8. APPROVAL OF THESE PLANS BY THE DIRECTOR OF PUBLIC WORKS DOES NOT AUTHORIZE ANY WORK OR GRADING TO BE PERFORMED UNTIL THE PROPERTY OWNER'S PERMISSION HAS BEEN OBTAINED AND VALID GRADING PERMIT HAS BEEN ISSUED.

9. THE DIRECTOR OF PUBLIC WORKS' APPROVAL OF THESE PLANS DOES NOT CONSTITUTE COUNTY BUILDING OFFICIAL APPROVAL OF ANY FOUNDATION FOR STRUCTURES TO BE PLACED ON THE ITEMS COVERED BY THESE PLANS. NO WAIVER OF THE GRADING ORDINANCE REQUIREMENTS CONCERNING MINIMUM COVER EXPANSIVE SOIL IS MADE OR IMPLIED (SECTIONS 87.403 & 87.410). ANY SUCH WAIVER MUST BE OBTAINED FROM THE DIRECTOR OF PLANNING AND LAND USE.

10. ALL OPERATIONS CONDUCTED ON THE PREMISES, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE OR RUNNING OF TRUCKS, EARTHMOVING EQUIPMENT AND ANY OTHER ASSOCIATED GRADING EQUIPMENT SHALL BE LIMITED TO THE PERIOD BETWEEN 7:00 AM AND 6:00 PM EACH DAY. MONDAY THRU SATURDAY, AND NO EARTHMOVING OR GRADING OPERATIONS SHALL BE CONDUCTED ON THE PREMISES ON SUNDAYS OR HOLIDAYS.

11. ALL MAJOR SLOPES SHALL BE ROUNDED INTO EXISTING TERRAIN TO PRODUCE A CONTOURED TRANSITION FROM CUT OR FILL FACES TO NATURAL GROUND AND ABUTTING CUT OR FILL SURFACES.

12. NOTWITHSTANDING THE MINIMUM STANDARDS SET FORTH IN THE GRADING ORDIANCE AND NOTWITHSTANDING THE APPROVAL OF THESE GRADING PLANS, THE PERMITTEE IS RESPONIBLE FOR THE PREVENTION OF DAMAGE TO ADJACENT PROPERTY. NO PERSON SHALL EXCAVATE ON LAND SO CLOSE TO THE PROPERTY LINE AS TO ENDANGER ANY ADJOINING PUBLIC STREET, SIDEWALK ALLEY, FUNCTION OF ANY SEWAGE DISPOSAL SYSTEM, OR ANY OTHER PUBLIC OR PRIVATE PROPERTY WITHOUT SUPPORTING AND PROTECTING SUCH PROPERTY FROM SETTLING, CRACKING, EROSION SILTING, SCOUR OR OTHER DAMAGE WHICH MIGHT RESULT FROM THE GRADING DESCRIBED ON THIS PLAN. THE COUNTY WILL HOLD THE PERMITTEE RESPONSIBLE FOR CORRECTION OF NON-DEDICTED IMPROVEMENTS WHICH DAMAGE ADJACENT PROPERTY.

13. SLOPE RATIOS:

CUT-1.5:1 FOR MINOR SLOPES UNDER 15' HIGH OR IN ROCK 2:1 FOR MAJOR SLOPES FILL-2:1

EXCAVATION: 2860 CU. YDS. FILL: 2860 CU. YDS. WASTE/IMPORT: 0 CU. YDS.

(NOTE: A SEPARATE VALID PERMIT MUST EXIST FOR EITHER WASTE OR IMPORT AREAS)

14. SPECIAL CONDITION: IF ANY ARCHEOLOGICAL RESOURCES ARE DISCOVERED ON THE SITE OF THIS GRADING DURING GRADING OPERATIONS. SUCH OPERATIONS WILL CEASE IMMEDIATELY. AND THE PERMITTEE WILL NOTIFY THE DIRECTOR OF PUBLIC WORKS OF THE DISCOVERY. GRADING OPERATIONS WILL NOT RECOMMENCE UNTIL THE PERMITTEE HAS RECEIVED WRITTEN AUTHORITY FROM THE DIRECTOR OF PUBLIC WORKS TO DO SO.

15. PERMANENT POST-CONSTRUCTION BMP DEVICES SHOW ON PLAN SHALL NOT BE REMOVED OR MODIFIED WITHOUT THE APPROVAL FROM THE DEPARTMENT OF PUBLIC WORKS.

16 ALL GRADING DETAILS WILL BE IN ACCORDANCE WITH SAN DIEGO COUNTY STANDARD DRAWINGS DS-8, DS-10, DS-11, AND D-75.

17. THE CONSTRUCTION OF ONE PCC STANDARD RESIDENTIAL DRIVEWAY PER LOT, LOCATION TO BE DETERMINED IN THE FIELD BY ENGINEER OF WORK. PCC SURFACING OF DRIVEWAY TO EXTEND FROM CURB TO PROPORTY LINE. USE STANDARD DRAWINGS G-14A, G-14B, G-14C, G-15 AND G-16

18. FINISHED GRADING SHALL BE CERTIFIED BY A REGISTERED CIVIL ENGINEER AND INSPECTED BY THE COUNTY ENGINEER FOR DRAINAGE CLEARANCE. (APPROVAL OF ROUGH GRADING DOES NOT CERTIFY FINISH BECAUSE OF POTENTIAL SURFACE DRAINAGE PROBLEMS THAT MAY BE CREATED BY LANDSCAPING ACCOMPLISHED AFTER ROUGH GRADING CERTIFICATION.

19. REMOVAL OF ALL MATERIAL PUSHED OVER THE SLOPE OF THE EXISTING EPHEMERAL STREAM. SHALL BE OBSERVED BY THE PROJECT BIOLOGIST. MATERIAL SHALL ONLY BE REMOVED TO THE EXTENT OF UNCOVERING THE PREGRADED NATURAL SLOPE.

20. ROCKS AND RUBBLE ARE TO BE REMOVED FROM THE EXISTING FILL BEFORE RECOMPACTION AND STOCK PILED FOR LATER USE AS RIP-RAP.

21. TOTAL DISTURBED AREA = 1.8 ACRES

22. Prior to any occupancy, final grading release, or use of the premises in reliance of this permit, open space signs shall be placed along the boundaries of the biological open space easement. (Contact engineer for sign specifications and intervals between signs)

23.Large boulders will be placed at the existing dirt roads leading into the open space easement

24. There shall be no brushing, clearing and/or grading during the breeding season of migratory

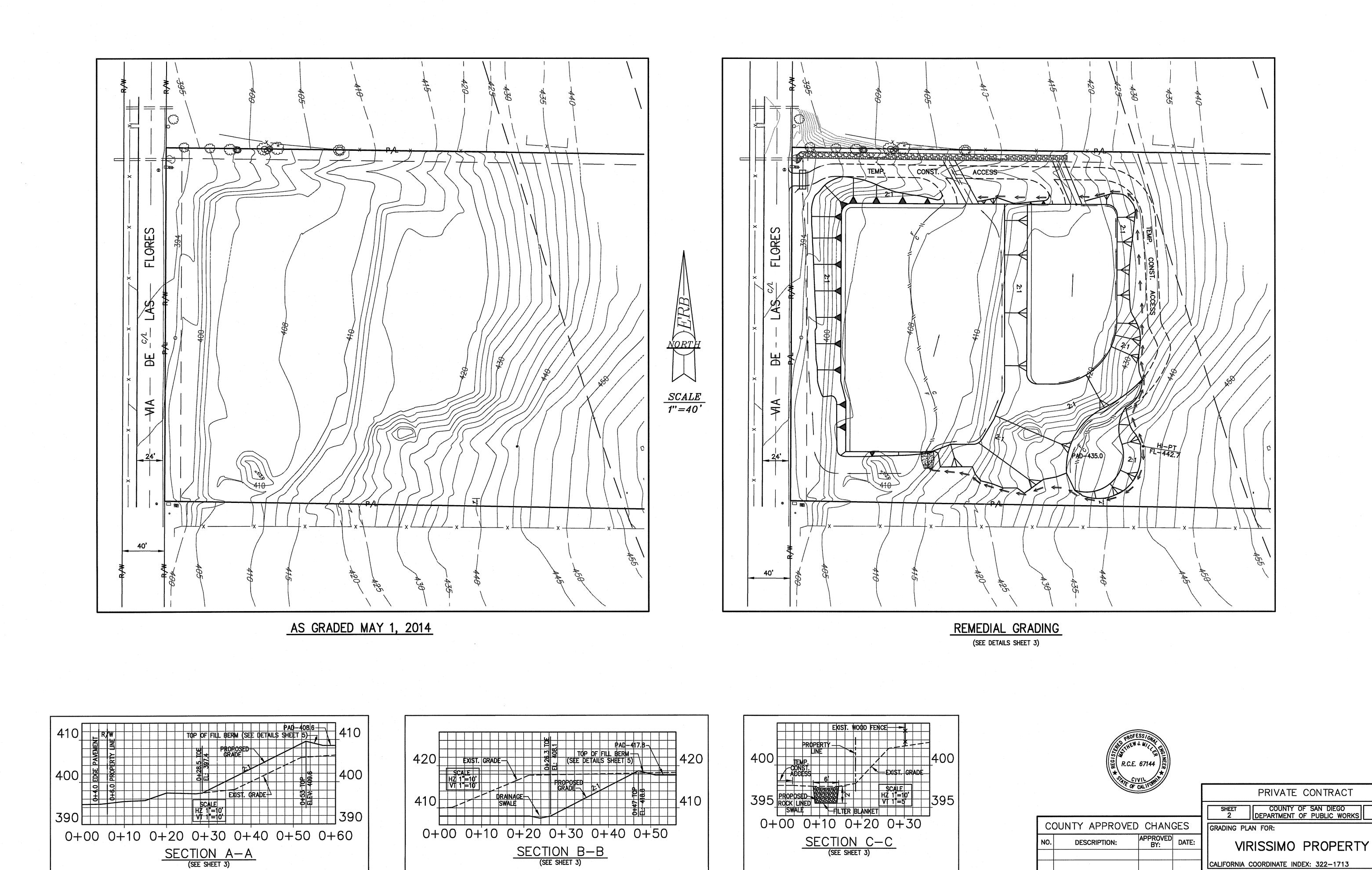
birds or raptors, between January 15 and August 31.

grading activities. If any fossils are found greater than 12 inches in any dimension, stop all

25. The grading contractor will be responsible to monitor for paleontological resources during all grading activities and contact the County inspector before continuing grading operations.

grading doubles of the second						
PERMITS	PRIVATE CONTRACT					
LANDSCAPING & IRRIGATION (HYDROSEED ONLY)  SPECIAL USE PERMIT NO. NO. NO. N/A - EROSIVITY WAIVER  WDID NO. 9 37W001973	SHEET COUNTY OF SAN DIEGO 5 1 DEPARTMENT OF PUBLIC WORKS SHEETS  GRADING PLAN FOR:					
BENCH MARK	VIRISSIMO PROPERTY					
DESCRIPTION: MONUMENT ENC-18	CALIFORNIA COORDINATE INDEX: 322-1713					
LOCATION: N: 1966169.552 E: 6269864.753  CITY OF ENCINITAS CONTROL NETWORK  RECORD FROM: PER R.O.S. 18416  ELEVATION: 307.765' DATUM: NGVD '29	APPROVED: RAMIN ABIDI COUNTY ENGINEER  ENGINEER 7/13/15  MATTHEW J. MILLER R.C.E. 67144 EXP: 9/30/16  BY:  DATE  DATE  ENGINEER OF WORK:  7/13/15  MATTHEW J. MILLER R.C.E. 67144 EXP: 9/30/16					

ERB & ASSOCIATES, LLC CIVIL ENGINEERS & LAND SURVEYORS 12320 STOWE DRIVE, SIE. E, POWAY, CA. 92064 (858)748-2133



SEE SECTIONS SHEET 3

1409

ENGINEER OF WORK:

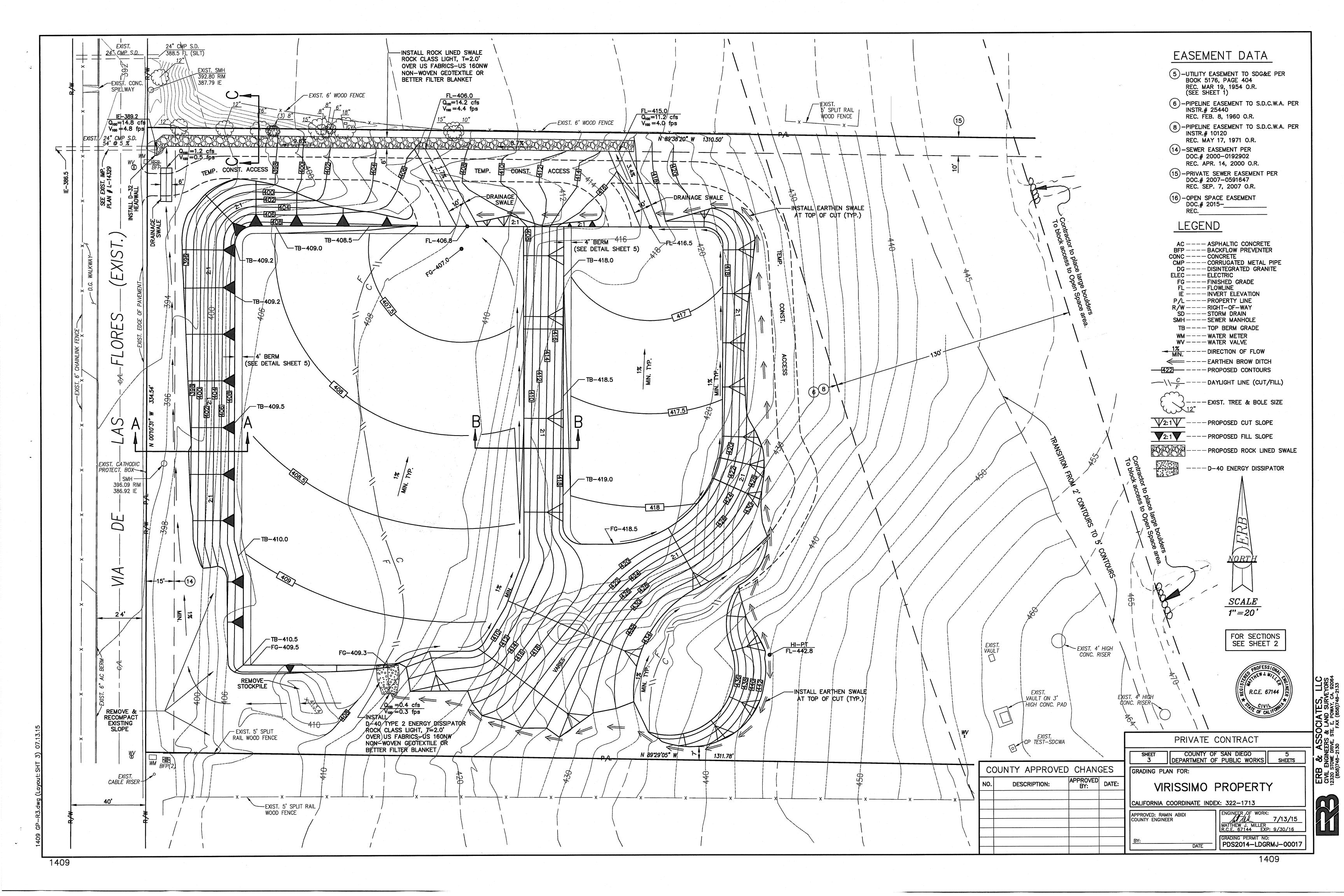
7/13/15

MATTHEW J. MILLER
R.C.E. 67144 EXP: 9/30/16

GRADING PERMIT NO:
PDS2014—LDGRMJ—00017

CALIFORNIA COORDINATE INDEX: 322-1713

APPROVED: RAMIN ABIDI COUNTY ENGINEER



THE FOLLOWING BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL ARE SHOWN ON THE PLAN. SOME ARE FOR SHORT TERM MITIGATION DURING THE CONSTRUCTION PROCESS AND OTHERS ARE FOR LONG TERM MITIGATION AFTER CONSTRUCTION IS COMPLETED. ALL BMP'S MUST COMPLY WITH THE COUNTY OF SAN DIEGO STORMWATER BEST MANAGEMENT PRACTICES (SEE CO. OF SAN DIEGO PUBLICATION DPLU #143).

TRAINING (SS-1):

SITE DEVELOPMENT MANAGEMENT AND PROJECT ENGINEERING PERSONNEL SHALL ENSURE THAT ALL PERSONNAL INVOLVED IN INSPECTIONS, MAINTENANCE, AND REPAIR OF BMP'S, UNDERSTAND AND ARE QUALIFIED TO PERFORM SUCH TASKS. MEETINGS SHALL BE HELD PERIODICALLY BETWEEN THE VARIOUS CONTRACTORS AND THE ON—SITE CONSTRUCTION SUPERINTENDENT TO DISCUSS POTENTIAL PROBLEMS OR EXISTING PRACTICES THAT CAN BE IMPROVED IN ORDER TO PREVENT POLLUTION DURING FUELING, CLEANING OR MAINTENANCE OPERATIONS.

EROSION AND SEDIMENT CONTROL:
LISTED BELOW ARE THE BEST MANAGEMENT PRACTICES TO BE USED FOR SOIL STABILIZATION PURPOSES. THEY ARE SHOWN IN DETAIL ON THIS SHEET. THESE BMP'S HAVE BEEN SELECTED FROM PROVEN METHODS USED FOR CONTROLLING EROSION WITHIN THE GENERAL PROJECT AREA.

SHORT TERM - CONSTRUCTION BMP'S -GRAVEL BAGS (SC-8)

-GRAVEL BAGS (SC-8)
-SILT FENCES (SC-1)
-EARTHEN SWALES (SS-9)

CONTROL PRACTICES TO REDUCE THE TRACKING OF SEDIMENT ONTO PUBLIC AND PRIVATE ROADS:

TRACKING OF SEDIMENT ONTO PUBLIC AND PRIVATE ROADS SHALL BE

TRACKING OF SEDIMENT ONTO PUBLIC AND PRIVATE ROADS SHALL BE MITIGATED BY THE CONSTRUCTION OF A TEMPORARY GRAVEL ENTRANCE//EXIT OFF THE PAVED ROAD (TC-1). THE GRAVEL ENTRANCE/EXIT SHALL BE 16' WIDE AND 50' LONG, AND SHALL CONSIST OF 2"-3" (50-75MM) COARSE AGGREGATE MIN. 6" (150MM) THICK.

CONTROL PRACTICES TO REDUCE WIND EROSION:
GRADING OPERATIONS WILL COMPLY WITH COUNTY ORDINANCES RELATING
TO DUST CONTROL. ADDITIONALLY, ALL FILL MATERIAL WILL BE
COMPACTED TO AT LEAST 90% OF MAXIMUM DENSITY AND LANDSCAPED
AS SHOWN ON THE LANDSCAPE PLAN (LANDSCAPE PLAN PROVIDED PRIOR
TO GRADING PERMIT).

POST CONSTRUCTION STORM WATER MANAGEMENT: PERMANENT BMP'S TO MITIGATE POLLUTANTS AFTER ALL CONSTRUCTION PHASES HAVE BEEN COMPLETED AT THE SITE ARE LISTED BELOW.

LONG TERM — POST CONSTRUCTION BMP'S
—PERMANENT VEGETATION AND IRRIGATION PRACTICES

-EARTHEN SWALES
-BROW DITCHES

-PERMANENT STORM DRAINS AND ATTACHED STRUCTURES

SITE MAINTENANCE, INSPECTION, AND REPAIR:
INSPECTIONS OF THE CONSTRUCTION SITE SHALL BE CONDUCTED PRIOR
TO ANTICIPATED STORM EVENTS AND AFTER ACTUAL STORM EVENTS TO
IDENTIFY AREAS CONTRIBUTING TO A STORM WATER DISCHARGE
ASSOCIATED WITH CONSTRUCTION ACTIVITY AND TO EVALUATE WHETHER
MEASURES TO REDUCE POLLUTANT LOADINGS INDENTIFIED IN THE SWPPP
ARE ADEQUATE AND PROPERLY IMPLEMENTED IN ACCORDANCE WITH THE
TERMS OF THE PERMIT OR WHETHER ADDITIONAL CONTROL MEASURES ARE
NEEDED. A RECORD OF THE INSPECTIONS MUST INCLUDE THE DATE OF

NEEDED. A RECORD OF THE INSPECTIONS MUST INCLUDE THE DATE OF THE INSPECTION, THE INDIVIDUAL(S) WHO PERFORMED THE INSPECTION, AND THE OBSERVATIONS. THE PERSONS PERFORMING THE SITE INSPECTIONS WILL DECIDE THE APPROPRIATENESS OF IMPLEMENTING THE BMP'S SHOWN ON THIS PLAN AT ANY PARTICULAR CONSTRUCTION PHASE. ADDITIONALLY, THEY WILL DETERMINE IF THE APPROPRIATE BMP'S ARE WORKING OR NEED TO BE REPAIRED, ENHANCED, OR REPLACED.

BMP LEGEND

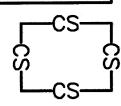
DETAILS PER CALTRANS STORM WATER QUALITY HANDBOOK "CONSTRUCTION SITE BEST MANAGEMENT PRACTICES MANUAL"

- SILT FENCE (SC-1)

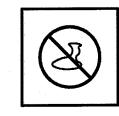
MTLS. DEL. & STORAGE PER WM-1

- MATERIALS DELIVERY

(PER WM-1)



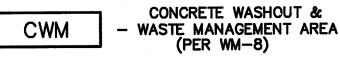
CONSTR. STOCKPILE MANAGEMENT (WM-3)



- SPILL PREVENTION & CONTROL (WM-4)



- SOLID WASTE MANAGEMENT (WM-5)



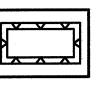


- SANITARY WASTE MANAGEMENT (WM-9) INSTALL STABILIZED -

CONSTRUCTION ENTRANCE

(50' MIN. LENGTH)

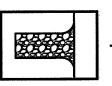
(TC-1)



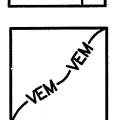
DESILTING BASIN (SC-2)



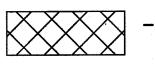
STORM DRAIN INLET PROTECTION (SC-10)



STABILIZED CONSTRUCTION ENTRANCE (TC-1)



VEHICLE & EQUIPMENT MAINTENANCE (NS-10)



- AREAS TO BE HYDROSEEDED (SS-4)



-INSTALL GRAVEL BAGS-

(TWO LAYERS HIGH)

—INSTALL

SILT FENCE

DEL. & STORAGE

PER WM-1

INSTALL GRAVEL BAGS

(TWO LAYERS\HIGH)-7

NOTE: ALL SLOPES ARE TO BE IRRIGATED AS NEEDED BY WATER TRUCK.

COUNTY APPROVED CHANGES

**DESCRIPTION:** 

APPROVED DATE:

SCALE: 1"=40'

PROFESSIONAL MILITARY OF CALIFORNIA

SHEET COUNTY OF SAN DIEGO 5
4 DEPARTMENT OF PUBLIC WORKS SHEETS

GRADING PLAN FOR:

VIRISSIMO PROPERTY

CALIFORNIA COORDINATE INDEX: 322-1713

APPROVED: RAMIN ABIDI COUNTY ENGINEER ENGINEER OF WORK:

7/13/15

MATTHEW J. MILLER
R.C.E. 67144 EXP: 9/30/16

GRADING PERMIT NO:
PDS2014—LDGRMJ—00017

400

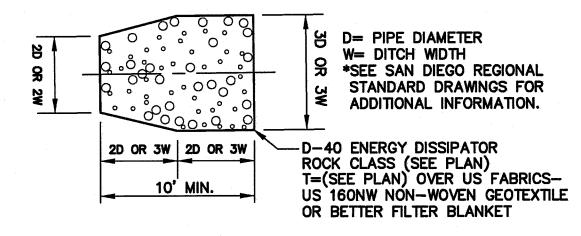
1409

3. GRAVEL BAGS SHALL BE PLACED ON THE UPSTREAM SIDE OF ALL DRAINAGE INLETS TO MINIMIZE SILT DEPOSITS IN THE INLETS AND PIPES. 4. MINIMUM HEIGHT OF GRAVEL BAG CHECK DAMS SHALL BE

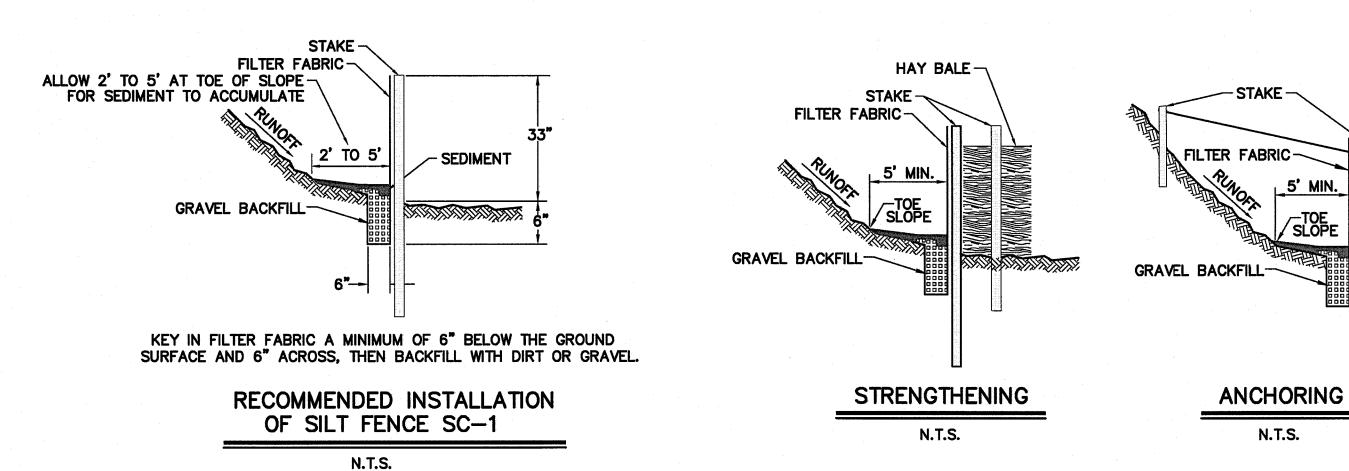
GRAVEL BAG PLACEMENT DETAIL FOR ROAD AND CHANNEL EXCAVATION

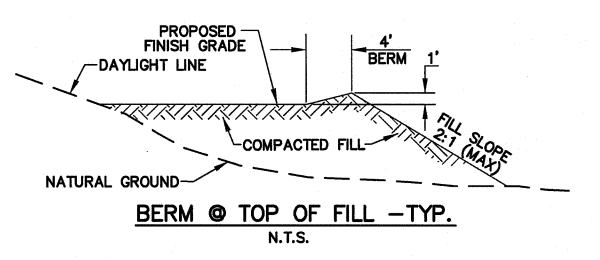
NO SCALE

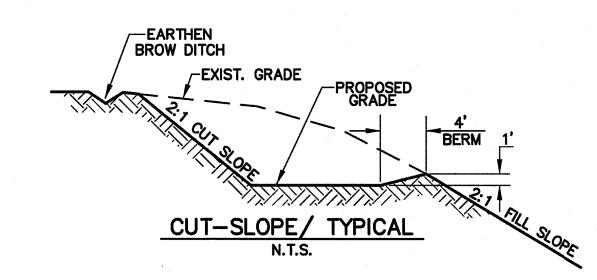
NOTE: GRAVEL BAGS SHALL BE PLACED AS NEEDED FOR PROPER EROSION CONTROL



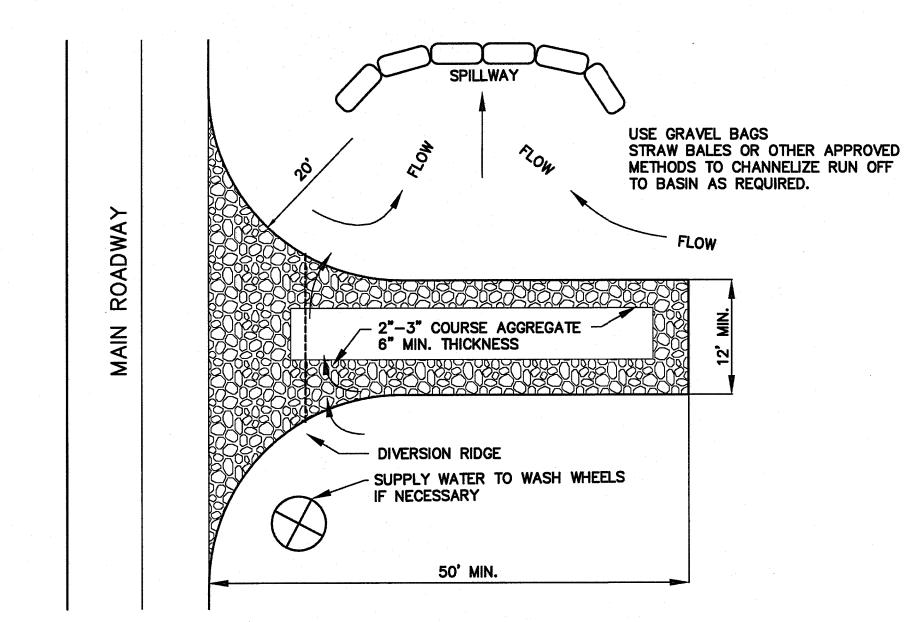
ROCK RIP RAP ENERGY DISSIPATOR (R.S.D. D-40)







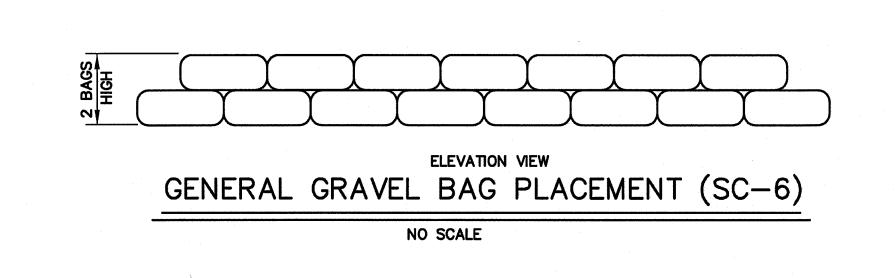
EARTH BERM & BROW DITCH DETAIL

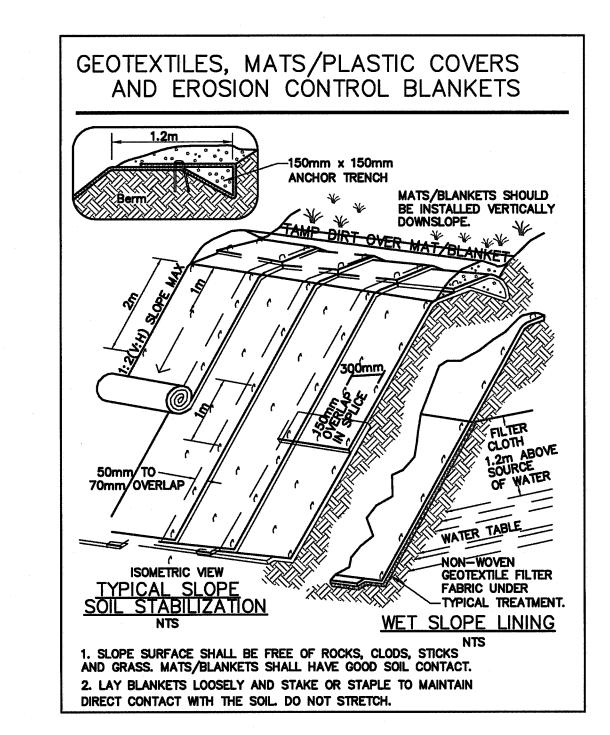


STABILIZATION OF VEHICLE TRAFFIC AREAS. ALL AREAS OF SIGNIFICANT VEHICLE TRAFFIC (SITE ENTRANCES, ACCESS ROADS, PARKING LOTS, ETC.) SHOULD BE STABILIZED IMMEDIATELY AFTER GRADING TO PREVENT EROSION AND CONTROL DUST. SITE ENTRANCES AND EXITS ARE ESPECIALLY IMPORTANT. USE GRAVEL APPROACHES TO LIMIT TRACKING OF SEDIMENT OFFSITE.

STABILIZED CONSTRUCTION ENTRANCE (TC-1

NO SCALE





### GEOTEXTILES AND MATS (SS-7)

GEOTEXTILES AND MATS CAN BE USED FOR TEMPORARY OR PERMANENT SOIL STABILIZATION, AND ARE ESPECIALLY EFFECTIVE ON STEEP SLOPES AND CHANNELS. GEOTEXTILES AND MATS ARE USED TO REDUCE EROSION FROM RAINFALL IMPACT, HOLD SOIL IN PLACE, AND ABSORB AND HOLD MOISTURE NEAR THE SOIL SURFACE. THEY SHOULD BE INSPECTED MONTHLY AND AFTER SIGNIFICANT RAINFALL.

# BONDED FIBER MATRIX (BFM) OPTION TO GEOTEXTILES AND MATS

LIMITATIONS AND RESTRICTIONS:

- 1. APPLICATION RATES SHALL BE 3500 POUNDS PER ACRE MINIMUM FOR 2:1 OR SHALLOWER SLOPES AND 4000 POUNDS PER ACRE FOR SLOPES STEEPER
- 2. BFM SHALL BE APPLIED AT LEAST 24 HOURS BEFORE OR AFTER RAINFALL.
- 3. THE SITE MUST FIRST BE PROTECTED WITH BROW DITCHES AND/OR DIVERSION
- BERMS AT THE TOP OF SLOPES TO DIVERT WATER FROM THE FACE OF SLOPE. 4. BFM SHALL BE APPLIED TO PROVIDE100% COVERAGE (I.E. APPLICATION FROM MULTIPLE ANGLES).
- 5. FOR PERMANENT EROSION CONTROL PURPOSES, BFM MUST BE INSTALLED IN CONJUNCTION WITH SEEDED EROSION CONTROL VEGETATION.
- 6. A LETTER FROM THE HYDROSEED CONTRACTOR CERTIFYING THAT THE BMF HAS BEEN INSTALLED IN ACCORDANCE WITH THE APPROVED APPLICATION RATES AND COVERAGE REQUIREMENTS SHALL BE SUBMITTED TO THE COUNTY INSPECTOR FOR APPROVAL.



PRIVATE CONTRACT COUNTY OF SAN DIEGO DEPARTMENT OF PUBLIC WORKS SHEETS COUNTY APPROVED CHANGES GRADING PLAN FOR: APPROVED DATE: **DESCRIPTION:** VIRISSIMO PROPERTY CALIFORNIA COORDINATE INDEX: 322-1713 APPROVED: RAMIN ABIDI COUNTY ENGINEER MATTHEW J. MILLER R.C.E. 67144 EXP: 9/30/16

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